

PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the modification to the existing traffic control signal at the intersection of US Route 1 and Contee Road in Prince George's County, Maryland. US Route 1 is considered to run in a north/south direction.

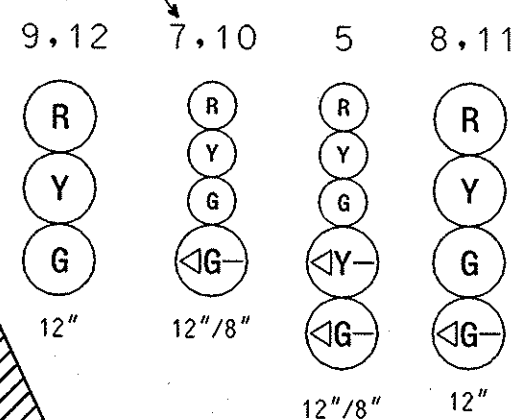
The modification will coincide with Phase II of the maintenance of traffic plans to install a box culvert under the north leg of US Route 1.

Phase II involves the relocation of signal heads, signs, and detection zones to coincide with temporary lane placement.

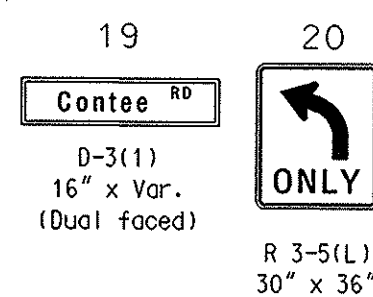
II. INTERSECTION OPERATION

The existing cabinet/ controller and phasing shall be utilized.

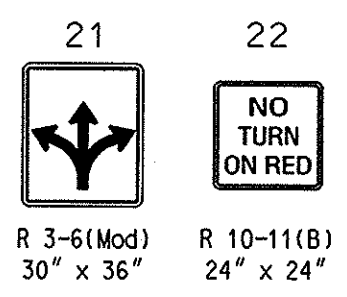
EXISTING SIGNALS



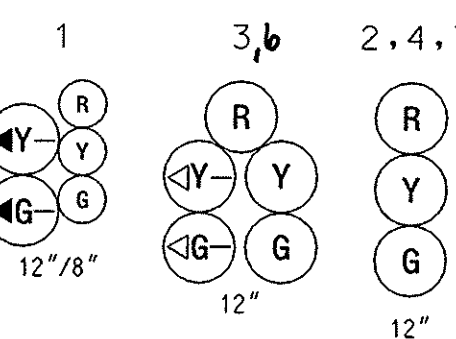
EXISTING SIGNS



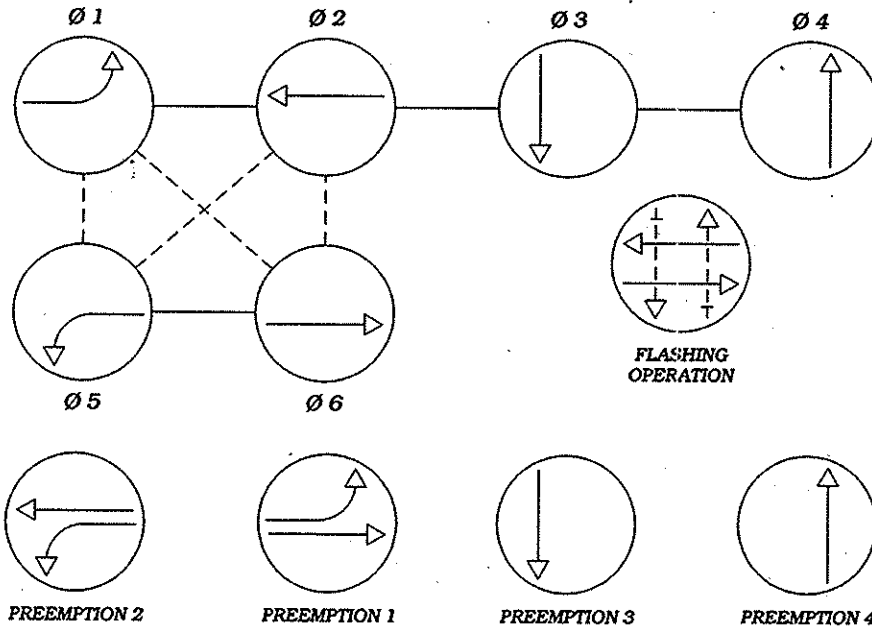
PROPOSED SIGNS



RELOCATE EXISTING SIGNALS



EXISTING NEMA PHASING



NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.

US Route 1

US Route 1

Contee Road

CONSTRUCTION DETAILS

- Use existing mast arm. Relocate existing signal heads, signs, and opticom detector as shown. Adjust video detector camera as necessary to align with temporary pavement markings.
- Use existing mast arm. Replace existing R 3-6(L) sign with new sign(21) and install new sign(22).
- Use existing mast arm. Relocate existing signal head and sign(16) as shown.
- Use existing span wire. Relocate existing signal heads and sign as shown.
- Install 24 in. wide pavement marking for stop line.
- Adjust Micro-loop probes as necessary to align with temporary pavement markings.
- Adjust video detector camera as necessary to align with temporary pavement markings.

EQUIPMENT LIST

B. Equipment to be furnished and installed by the Contractor.
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
1	EA	813	24 in. x 24 in. R 10-11(B) sign with mast arm mounting hardware.
1	EA	813	30 in. x 36 in. R 3-6(Mod) sign with mast arm mounting hardware.
100	LF	549	24 in. wide HAPPTM - white for stop line.
2	EA	---	Adjust video detector camera.
4	EA	---	Adjust microloop probe detector.
3	EA	---	Relocate existing sign.
1	EA	---	Replace existing sign.
Lump Sum	LS	---	Relocate existing signal equipment.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

NOTES

- Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Maintenance of Traffic Phase or are to be considered as existing.
- Revision 'E' is a revision to the traffic signal built under S.H.A. Contract No.: XX1005185.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

MOT PHASE II



REVISIONS	APPROVALS
Revision "G"	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
Reconstruction of Traffic Signal Change to Geometrics	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
5/20/05	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
Director, Traffic & Safety	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION (Traffic Signal Plan)	
US Route 1 at Contee Road	
DRAWN BY:	F.A.P. NO. N/A
CHECKED BY:	S.H.A. NO. XX1005185
SCALE: 1" = 20'	COUNTY: Prince George's
DATE:	LOG MILE: 16000111.49
TS NO. 1536G-X2	SHEET NO. 3 OF 10